BayesianBESS — Battery Health Report

Vehicle: **VChart959 (1)** | Pack-Level Report | Generated: 15 Apr 2026 07:00

Pack Summary

Metric	Value
Total Cells	16
Cells: OK	16
Cells: OBSERVE	0
Cells: CRITICAL	0
Pack SOH (BMS)	100.0%
Avg Cell SOH (spread-derived)	96.6%
Cycle Count	0
Calendar Age	500 days
Lowest Cell RUL	2400 cycles (Cell 1)
Pack Status	**OK**

Cell-by-Cell Overview

Cell	Cell SOH	Spread (mV)	RUL (cycles)	Status
Cell 1	97.73%	89.0	2400	OK
Cell 2	95.91%	93.0	2400	OK
Cell 3	95.45%	94.0	2400	OK
Cell 4	96.36%	92.0	2400	OK
Cell 5	95.91%	93.0	2400	OK
Cell 6	96.36%	92.0	2400	OK
Cell 7	96.36%	92.0	2400	OK
Cell 8	97.27%	90.0	2400	OK
Cell 9	97.73%	89.0	2400	OK
Cell 10	96.82%	91.0	2400	OK
Cell 11	95.91%	93.0	2400	OK
Cell 12	95.00%	95.0	2400	OK
Cell 13	98.18%	88.0	2400	OK

Cell 14	95.45%	94.0	2400	OK
Cell 15	95.00%	95.0	2400	OK
Cell 16	100.00%	84.0	2400	OK

Pack BMS SOH: 100.0% | Cell SOH derived from temporal voltage spread (p90–p10, active rows).

Voltage Profile

Cell voltage min/max/spread for all cells (active rows, p10/p90). LFP safe ceiling = 3.65 V. High spread → wider OCV arc traversed → lower cell SOH.

Cell	V Avg	V Min (p10)	V Max (p90)	Spread (mV)	Cell SOH
Cell 1	3.3154	3.2390	3.3280	89.0 ■	97.73%
Cell 2	3.3142	3.2340	3.3270	93.0 ■	95.91%
Cell 3	3.3153	3.2350	3.3290	94.0 ■	95.45%
Cell 4	3.3150	3.2360	3.3280	92.0 ■	96.36%
Cell 5	3.3151	3.2350	3.3280	93.0 ■	95.91%
Cell 6	3.3157	3.2370	3.3290	92.0 ■	96.36%
Cell 7	3.3153	3.2360	3.3280	92.0 ■	96.36%
Cell 8	3.3142	3.2370	3.3270	90.0 ■	97.27%
Cell 9	3.3151	3.2400	3.3290	89.0 ■	97.73%
Cell 10	3.3150	3.2370	3.3280	91.0 ■	96.82%
Cell 11	3.3123	3.2330	3.3260	93.0 ■	95.91%
Cell 12	3.3151	3.2340	3.3290	95.0 ■	95.00%
Cell 13	3.3149	3.2400	3.3280	88.0 ■	98.18%
Cell 14	3.3140	3.2330	3.3270	94.0 ■	95.45%
Cell 15	3.3150	3.2340	3.3290	95.0 ■	95.00%
Cell 16	3.3141	3.2430	3.3270	84.0 ■	100.00%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

OK: All 16 cells operating normally. Continue standard monitoring schedule.